

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

#### Sector of uses

SU12 – Manufacture of plastic products, including compounding and conversion

#### Product categories

PC32 – Polymer preparations and compounds

### 1.3. Details of the supplier of the safety data sheet

Name: KRAIBURG TPE GmbH & Co. KG  
 Address: Friedrich-Schmidt-Str. 2  
 D-84478 Waldkraiburg  
 Information contact: +49 (8638) 9810 0  
 E-Mail (competent person): regulatory@kraiburg-tpe.com

### 1.4. Emergency telephone number

Emergency advice +49 (8638) 9810 0  
 This number is only available at office times.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Supplement Hazard information (EU)

#### Health properties

EUH208 Contains Methylois: May produce an allergic reaction.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/ information on ingredients

### 3.2. Mixtures

CAS No.	EG No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS].
1314-13-2	215-222-5	zinc oxide	< 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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CAS No.	EG No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS].
3896-11-5	223-445-4	Bumetrizol	< 1	Aquatic Chronic 4, H413
		Methylols	0,1 – 1	Skin Sens 1, H317

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General Information

In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.

#### In case of inhalation

Remove the casualty into fresh air and keep him immobile.

If intensive inhalation of dust seek medical treatment immediately.

#### In case of skin contact

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Turn a vomiting person lying on his back onto his side.

Refer to medical treatment.

Rinse out mouth thoroughly with water.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed Treatment (Advice to doctor)

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Nitrogen gases (NO<sub>x</sub>)

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

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## Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Ensure adequate ventilation.  
Use personal protective clothing.  
Use breathing apparatus if exposed to vapours/dust/aerosol.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.  
Knock down dust with water spray jet.

### 6.3. Methods and material for containment and cleaning up

Avoid dust formation.  
Flush away residues with water.  
Take up mechanically and send for disposal.

### 6.4. Reference to other sections

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid the formation and deposition of dust.  
While handling with warm product suck off vapours.  
Extraction in situ required.  
Provide suitable extraction at the processing machines.

#### Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep in closed original container.  
Ventilate store-rooms thoroughly.

#### Advice on storage compatibility

Do not store with oxidizing agents.  
Do not store together with animal feedstuffs.  
Do not store together with food.  
Do not store together with reducing agents.

#### Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

**Storage group** 11

### 7.3. Specific end use(s)

See section 1.2

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No information available.

### 8.2. Exposure controls

#### Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.  
Particle-filtering half mask, filter P2

#### Hand protection

chemical-resistant gloves

#### Eye protection

tightly fitting goggles

#### Other protection measures

protective clothing

#### General protective measures

Avoid contact of molten material with skin.  
Do not inhale gases/vapours/aerosols.

#### Hygiene measures

At work do not eat, drink and smoke.  
Keep away from food and drink.  
Wash hands and skin before breaks and after work.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Aggregate state:	solid
Appearance:	granules
Odour:	characteristic
Odour threshold:	not determined
Colour:	various, depending on coloration
pH value:	not applicable
Acid number:	not applicable
Boiling temperature/boiling range:	not determined
Melting point:	> 120°C
Flash point:	no flash point below 200°C
Flammable (solid):	not determined
Flammable (gas):	not applicable
Ignition temperature:	not determined
Self-Ignition temperature:	The product is not selfigniting
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Vapour pressure:	not applicable
Relative density:	0,9 – 1,5 g/cm <sup>3</sup> , 20°C, 1013hPa
Bulk density:	0,45 – 0,7 g/cm <sup>3</sup>
Vapour density:	not determined
Solubility in water:	unsoluble

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Solubility / other:	not determined
Partition coefficient n-octanol / water (log P O/W):	not determined
Viscosity:	not applicable

**Oxidizing properties**

No information available.

**Explosive properties:**

No information available.

9.2. Other information

No information available.

## SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Reactions with oxidizing agents.  
Reactions with reducing agents.

10.5. Incompatible materials

**Substances to avoid**

Reactions with oxidizing agents.  
Reactions with reducing agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.  
Nitrous oxides (NO<sub>x</sub>)  
Toxic gases/vapours

## SECTION 11: Toxicological information

11.1. Information on toxicological effects

**Acute toxicity/Irritation/Sensitization**

**LD50 acute oral**

No data available.

**LD50 acute dermal**

No data available.

**LC50 acute inhalation**

No data available.

**Skin irritation**

No data available.

**Eye irritation**

No data available.

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**Skin sensitization**

No data available.

**Sensitization respiratory system**

No data available.

**Subacute toxicity – Carcinogenicity****Mutagenicity**

No data available.

**Reproduction-toxicity**

No data available.

**Carcinogenicity**

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicological effects****Fish**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

**Daphnia**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

**Algae**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

**Bacteria**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

### 12.2. Persistence and degradability

**Physico-chemical degradability**

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

**Biological degradability**

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

**Degradability**

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

### 12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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#### 12.6. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Recommendations for the product**

Remove in accordance with local official regulations.

##### **Recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

### SECTION 14: Transport information

##### **Land and inland navigation transport ADR/RID**

No dangerous goods as defined by these transport regulations.

##### **Marine transport IMDG**

No dangerous goods as defined by these transport regulations.

##### **Air transport ICAO/IATA-DGR**

No dangerous goods as defined by these transport regulations.

##### **Special precautions for user**

No information available.

##### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### **Other regulations (EU)**

All ingredients of the mixture correspond to the currently applicable provisions of the REACH Regulations.  
Observe regulation (EC) 1272/2008 (GHS/CLP)

##### **National regulations**

###### **Restriction of occupation**

Observe employment restrictions for young people.

Observe employment restrictions for women of child-bearing age.

##### **Other regulations, restrictions and prohibition regulations**

UVV "Work machines of the chemical industry, rubber and plastic industry" (VBG 22)

**Decree for case of interference/remarks**      Accident decree, addendum Decree for case of II: not named.

#### 15.2. Chemical Safety Assessment

No information available.

### SECTION 16: Other information

##### **Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

##### **Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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**Text of the H-phrases given in Chapter 3 (Not classification of the mixture!)**

H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50%

**Additional information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)